

Just Intonation dyads through the 15-odd-limit

after Andrew Heathwaite's 'singtervals'

(pure Promethean Sagittal notation)

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5-odd-limit

5-odd-limit musical notation. The system consists of two staves, Treble and Bass, with a 12/8 time signature. The first staff has a 5-measure rest at the beginning. The notation shows four measures of dyads with the following ratios and labels: 1:1 (do), 5:6 (mi sol), 4:5 (do mi), and 3:4 (sol do). The second staff continues with four measures: 2:3 (do sol), 5:8 (mi do), 3:5 (sol mi), and 1:2 (do). The notation uses Sagittal notation for just intonation, with specific symbols for the intervals.

7-odd-limit

7-odd-limit musical notation. The system consists of two staves, Treble and Bass, with a 12/8 time signature. The first staff has a 5-measure rest at the beginning. The notation shows four measures of dyads with the following ratios and labels: 1:1 (do), 7:8 (ta do), 6:7 (sol ta), and 5:6 (mi sol). The second staff continues with five measures: 4:5 (do mi), 3:4 (sol do), 5:7 (mi ta), 7:10 (ta mi), and 2:3 (do sol). The notation uses Sagittal notation for just intonation, with specific symbols for the intervals.

2
10

5:8 3:5 7:12 4:7 1:2

mi do sol mi ta sol do ta do

9-odd-limit

1:1 9:10 8:9 7:8

do re mi do re ta do

5

6:7 5:6 4:5 7:9

sol ta mi sol do mi ta re

9

3:4 5:7 7:10 2:3

sol do mi ta ta mi do sol

13

9:14 5:8 3:5 7:12

re ta mi do sol mi ta sol

17

4:7 9:16 5:9 1:2

do ta re do mi re do

11-odd-limit

1:1 11:12 10:11 9:10

do fu sol mi fu re mi

5

8:9 7:8 6:7 5:6

do re ta do sol ta mi sol

9

9:11 4:5 11:14 7:9

re fu do mi fu ta ta re

13

3:4 8:11 5:7 7:10

sol do do fu mi ta ta mi

4

17

11:16

2:3

9:14

7:11

fu do

do sol

re ta

ta fu

Detailed description: This system contains measures 17 through 20. The treble staff has a key signature of one sharp (F#) and a common time signature. The bass staff has a key signature of one flat (Bb) and a common time signature. The lyrics are 'fu do', 'do sol', 're ta', and 'ta fu'. Above the measures are ratios: 11:16, 2:3, 9:14, and 7:11. Measure 17 has a 4-measure rest. Measure 20 has a 7-measure rest.

21

5:8

11:18

3:5

7:12

4:7

mi do

fu re

sol mi

ta sol

do ta

Detailed description: This system contains measures 21 through 25. The treble staff has a key signature of one sharp (F#) and a common time signature. The bass staff has a key signature of one flat (Bb) and a common time signature. The lyrics are 'mi do', 'fu re', 'sol mi', 'ta sol', and 'do ta'. Above the measures are ratios: 5:8, 11:18, 3:5, 7:12, and 4:7. Measure 21 has a 5-measure rest. Measure 25 has a 4-measure rest.

26

9:16

5:9

11:20

6:11

1:2

re do

mi re

fu mi

sol fu

do

Detailed description: This system contains measures 26 through 30. The treble staff has a key signature of one sharp (F#) and a common time signature. The bass staff has a key signature of one flat (Bb) and a common time signature. The lyrics are 're do', 'mi re', 'fu mi', 'sol fu', and 'do'. Above the measures are ratios: 9:16, 5:9, 11:20, 6:11, and 1:2. Measure 26 has a 9-measure rest. Measure 30 has a 1-measure rest.

13-odd-limit

1:1

13:14

12:13

11:12

do

lu ta

sol lu

fu sol

Detailed description: This system contains measures 31 through 34. The treble staff has a key signature of one sharp (F#) and a 12/8 time signature. The bass staff has a key signature of one flat (Bb) and a 12/8 time signature. The lyrics are 'do', 'lu ta', 'sol lu', and 'fu sol'. Above the measures are ratios: 1:1, 13:14, 12:13, and 11:12. Measure 31 has a 1-measure rest. Measure 34 has an 11-measure rest.

5

10:11

9:10

8:9

7:8

mi fu

re mi

do re

ta do

Detailed description: This system contains measures 35 through 38. The treble staff has a key signature of one sharp (F#) and a common time signature. The bass staff has a key signature of one flat (Bb) and a common time signature. The lyrics are 'mi fu', 're mi', 'do re', and 'ta do'. Above the measures are ratios: 10:11, 9:10, 8:9, and 7:8. Measure 35 has a 10-measure rest. Measure 38 has a 7-measure rest.

9 6:7 11:13 5:6 9:11

sol ta fu lu mi sol re fu

Detailed description: This system contains measures 9 through 12. The treble staff has a key signature of one sharp (F#) and a common time signature. The lyrics are 'sol ta' in measure 9, 'fu lu' in measure 10, 'mi sol' in measure 11, and 're fu' in measure 12. Above the treble staff are ratios: 6:7, 11:13, 5:6, and 9:11. The bass staff has a common time signature and contains whole notes.

13 13:16 4:5 11:14 7:9

lu do do mi fu ta ta re

Detailed description: This system contains measures 13 through 16. The treble staff has a key signature of one sharp (F#) and a common time signature. The lyrics are 'lu do' in measure 13, 'do mi' in measure 14, 'fu ta' in measure 15, and 'ta re' in measure 16. Above the treble staff are ratios: 13:16, 4:5, 11:14, and 7:9. The bass staff has a common time signature and contains whole notes.

17 10:13 3:4 8:11 13:18

mi lu sol do do fu lu re

Detailed description: This system contains measures 17 through 20. The treble staff has a key signature of one sharp (F#) and a common time signature. The lyrics are 'mi lu' in measure 17, 'sol do' in measure 18, 'do fu' in measure 19, and 'lu re' in measure 20. Above the treble staff are ratios: 10:13, 3:4, 8:11, and 13:18. The bass staff has a common time signature and contains whole notes.

21 5:7 7:10 9:13 11:16

mi ta ta mi re lu fu do

Detailed description: This system contains measures 21 through 24. The treble staff has a key signature of one sharp (F#) and a common time signature. The lyrics are 'mi ta' in measure 21, 'ta mi' in measure 22, 're lu' in measure 23, and 'fu do' in measure 24. Above the treble staff are ratios: 5:7, 7:10, 9:13, and 11:16. The bass staff has a common time signature and contains whole notes.

25 2:3 13:20 9:14 7:11

do sol lu mi re ta ta fu

Detailed description: This system contains measures 25 through 28. The treble staff has a key signature of one sharp (F#) and a common time signature. The lyrics are 'do sol' in measure 25, 'lu mi' in measure 26, 're ta' in measure 27, and 'ta fu' in measure 28. Above the treble staff are ratios: 2:3, 13:20, 9:14, and 7:11. The bass staff has a common time signature and contains whole notes.

6
29

5:8 8:13 11:18 3:5

mi do do lu fu re sol mi

Detailed description: This system contains measures 29 through 32. The treble staff has a key signature of one flat and a common time signature. The bass staff has a key signature of one flat. The lyrics are: 'mi do' (measures 29-30), 'do lu' (measures 31-32), 'fu re' (measures 33-34), and 'sol mi' (measures 35-36). Ratios are placed above the notes: 5:8, 8:13, 11:18, and 3:5.

33

13:22 7:12 4:7 9:16 5:9

lu fu ta sol do ta re do mi re

Detailed description: This system contains measures 33 through 37. The treble staff has a key signature of one flat and a common time signature. The bass staff has a key signature of one flat. The lyrics are: 'lu fu' (measures 33-34), 'ta sol' (measures 35-36), 'do ta' (measures 37-38), 're do' (measures 39-40), and 'mi re' (measures 41-42). Ratios are placed above the notes: 13:22, 7:12, 4:7, 9:16, and 5:9.

38

11:20 6:11 13:24 7:13 1:2

fu mi sol fu lu sol ta lu do

Detailed description: This system contains measures 38 through 42. The treble staff has a key signature of one flat and a common time signature. The bass staff has a key signature of one flat. The lyrics are: 'fu mi' (measures 38-39), 'sol fu' (measures 40-41), 'lu sol' (measures 42-43), 'ta lu' (measures 44-45), and 'do' (measures 46-47). Ratios are placed above the notes: 11:20, 6:11, 13:24, 7:13, and 1:2.

15-odd-limit

1:1 15:16 14:15 13:14

do ti do ta ti lu ta

Detailed description: This system contains measures 48 through 51. The treble staff has a key signature of one flat and a common time signature. The bass staff has a key signature of one flat. The lyrics are: 'do' (measures 48-49), 'ti do' (measures 50-51), 'ta ti' (measures 52-53), and 'lu ta' (measures 54-55). Ratios are placed above the notes: 1:1, 15:16, 14:15, and 13:14.

5

12:13 11:12 10:11 9:10

sol lu fu sol mi fu re mi

Detailed description: This system contains measures 52 through 55. The treble staff has a key signature of one flat and a common time signature. The bass staff has a key signature of one flat. The lyrics are: 'sol lu' (measures 52-53), 'fu sol' (measures 54-55), 'mi fu' (measures 56-57), and 're mi' (measures 58-59). Ratios are placed above the notes: 12:13, 11:12, 10:11, and 9:10.

9 8:9 7:8 13:15 6:7

do re ta do lu ti sol ta

13 11:13 5:6 9:11 13:16

fu lu mi sol re fu lu do

17 4:5 11:14 7:9 10:13

do mi fu ta ta re mi lu

21 3:4 11:15 8:11 13:18

sol do fu ti do fu lu re

25 5:7 7:10 9:13 11:16

mi ta ta mi re lu fu do

8

29 15:22 2:3 13:20 9:14

ti fu do sol lu mi re ta

33 7:11 5:8 8:13 11:18

ta fu mi do do lu fu re

37 3:5 13:22 7:12 15:26

sol mi lu fu ta sol ti lu

41 4:7 9:16 5:9 11:20 6:11

do ta re do mi re fu mi sol fu

46 13:24 7:13 15:28 8:15 1:2

lu sol ta lu ti ta do ti do

The image displays a musical score for a vocal and piano ensemble. It is organized into five systems, each containing four measures. The vocal line is written in a single staff with a treble clef, and the piano accompaniment is in a single staff with a bass clef. The lyrics are written below the vocal notes. Above each measure, there is a time signature. The piano part features sustained notes, often with a half note or whole note value, and some measures include a downward bow or breath mark. The score concludes with a double bar line at the end of the fifth system.